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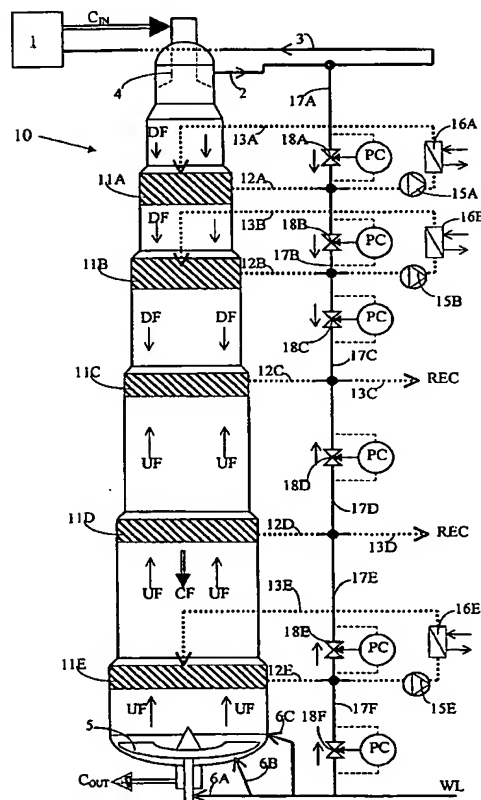
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[Continued on next page]

(54) Title: A METHOD AND A DIGESTER FOR THE CONTINUOUS COOKING OF WOOD RAW MATERIAL TO CELLULOSE PULP



(57) Abstract: The invention concerns a method for the continuous cooking of pulp and a digester. At least two withdrawal positions (11E, 11D) for cooking fluid are arranged at different heights in the digester (10). The cooking fluid in the first and second position is withdrawn after the chips has had a retention time that differs by at least 10 minutes, preferably at least 20 minutes. The differential pressure between the positions is determined and when this exceeds a pre-determined level, a connection (17E) opens between these positions, establishing a flow parallel to a flow of cooking fluid between these positions in the digester. Several withdrawal positions are preferably connected in a common shunt system (17A-17F), with valves (18A-18F), controlled by the differential pressure, located between adjacent positions. The system allows increases in production capacity, washing efficiency and level of operation, with reduced risk for pulp hanging and channelling.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01065

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: D21C 3/24, D21C 7/14**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: D21C**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4780181 A (LENNART G. LIND), 25 October 1988 (25.10.88), page 1, column 1, line 60 - column 2, line 11, figures 1,2  --	1-20
A	WO 9521961 A1 (KVAERNER PULPING TECHNOLOGIES AB), 17 August 1995 (17.08.95), figure 1  --	1-20
A	US 20020079071 A1 (VIDAR SNEKKENES ET AL), 27 June 2002 (27.06.02), figure 1  -- -----	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

26/07/03

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